

100

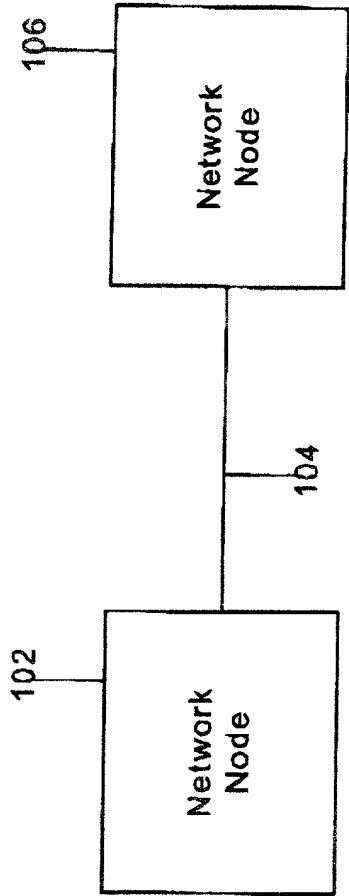


FIG. 1

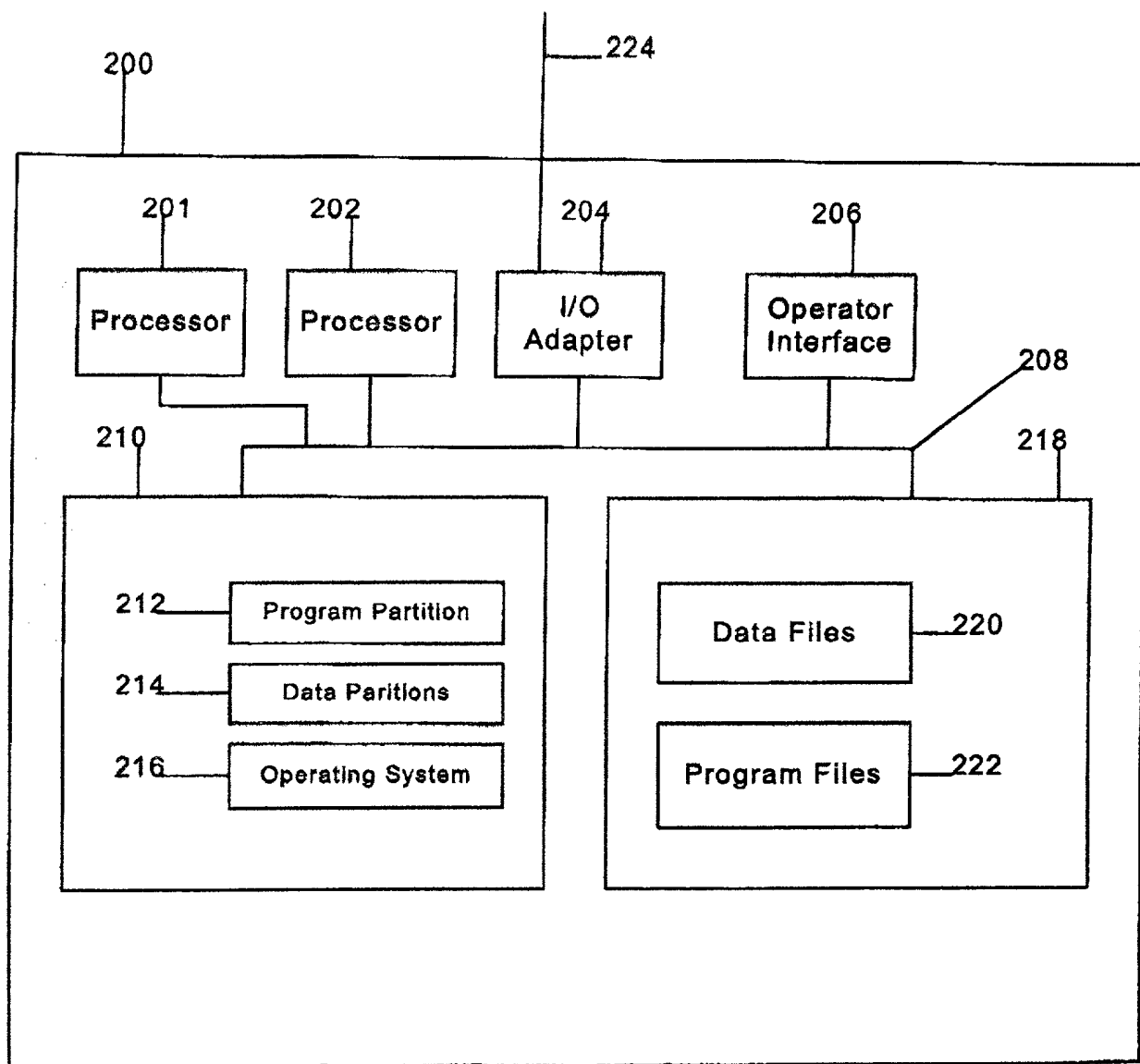


FIG. 2

300

Packet Number	1	2	3	4	5	6	7
Explicit Status	NORMAL	NORMAL	LOW	LOW	LOW	NORMAL	NORMAL
Implicit Status	NORMAL	NORMAL	LOW	LOW	LOW	LOW	LOW

FIG. 3 (Prior Art)

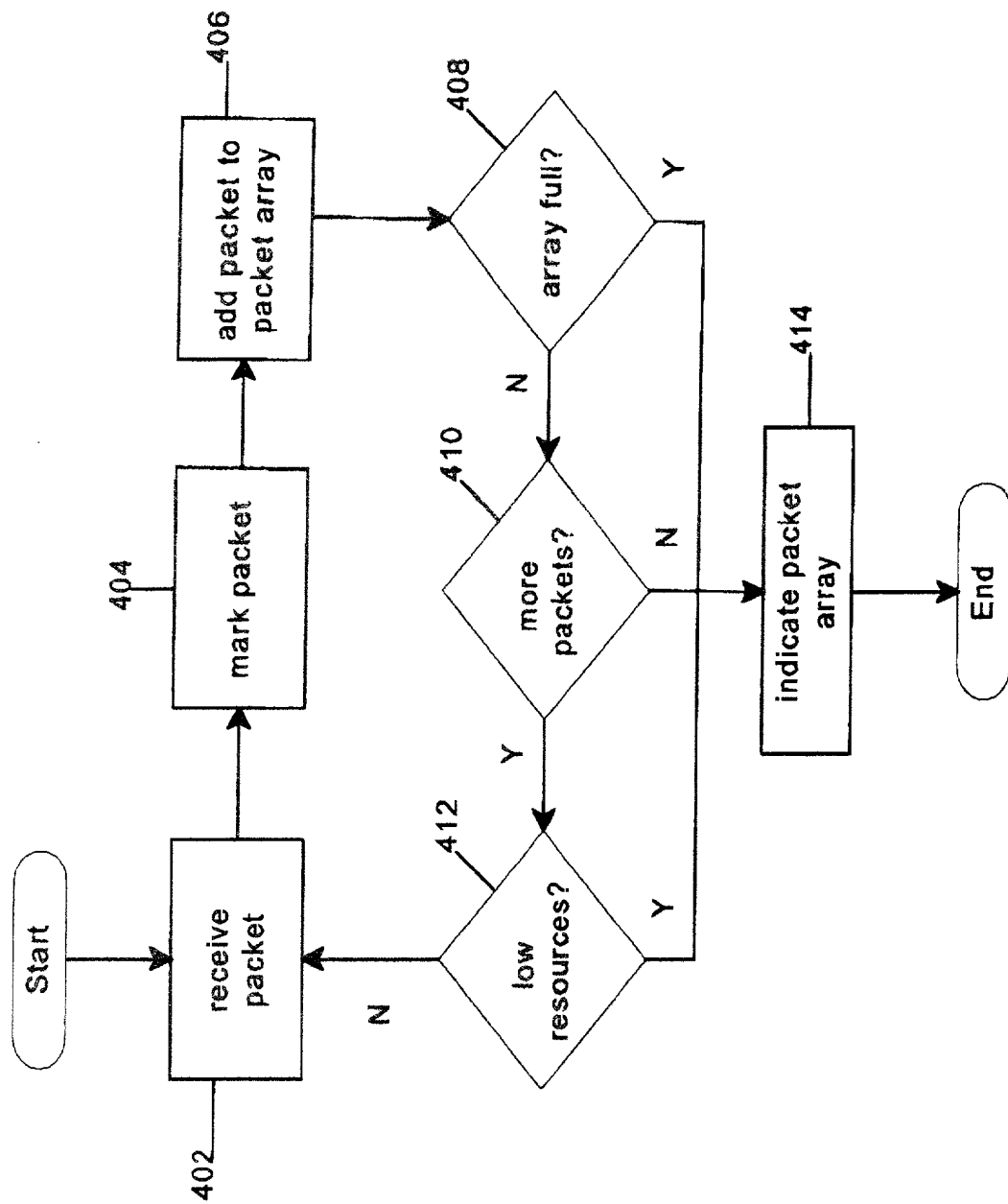


FIG. 4

Packet Number	A1	A2	A3	B1	C1	D1	D2
Explicit Status	NORMAL	NORMAL	LOW	LOW	LOW	NORMAL	NORMAL
Implicit Status	NORMAL	NORMAL	LOW	LOW	LOW	NORMAL	NORMAL

FIG. 5

600

Packet Number	A1	A2	A3	B1	B2	B3	B4
Explicit Status	NORMAL	NORMAL	LOW	NORMAL	NORMAL	NORMAL	NORMAL
Implicit Status	NORMAL	NORMAL	LOW	NORMAL	NORMAL	NORMAL	NORMAL

FIG. 6

Time Index	FIRST TIMELINE				SECOND TIMELINE			
	Resources Added	Resources Used	Resources Available	Note	Resources Added	Resources Used	Resources Available	Note
1	0	1	21	A1 (Normal)	0	1	21	A1
2	0	1	20	A2 (Normal)	0	1	20	A2
3	0	1	19	A3 (Low)	0	1	19	A3
4	1	1	19	A4 (Low)	1	0	20	Indicate Array
5	1	1	19	A5 (Low)	1	0	21	Process A1
6	2	1	20	A6 (Normal)	2	0	23	Process A2
7	1	1	20	A7 (Normal)	1	0	24	Copy of A3
8	1	0	21	Indicate Array	1	0	25	
9	1	0	22	Process A1	1	0	26	
10	1	0	23	Process A2	1	0	27	Reclaim A3
11	1	0	24	Copy of A3	1	1	27	B1
12	1	0	25		1	1	27	B2
13	1	0	26		1	1	27	B3
14	1	0	27	Copy of A4	1	1	27	B4
15	...	0	0	...	Indicate Array
16		0				0		Process B1
17		0		Copy of A5		0		Process B2
18		0				0		Process B3
19		0				0		Process B4
20		0		Copy of A6	
21		0						
22		0						
23		0		Copy of A7				
24		0						
25		0						

FIG. 7

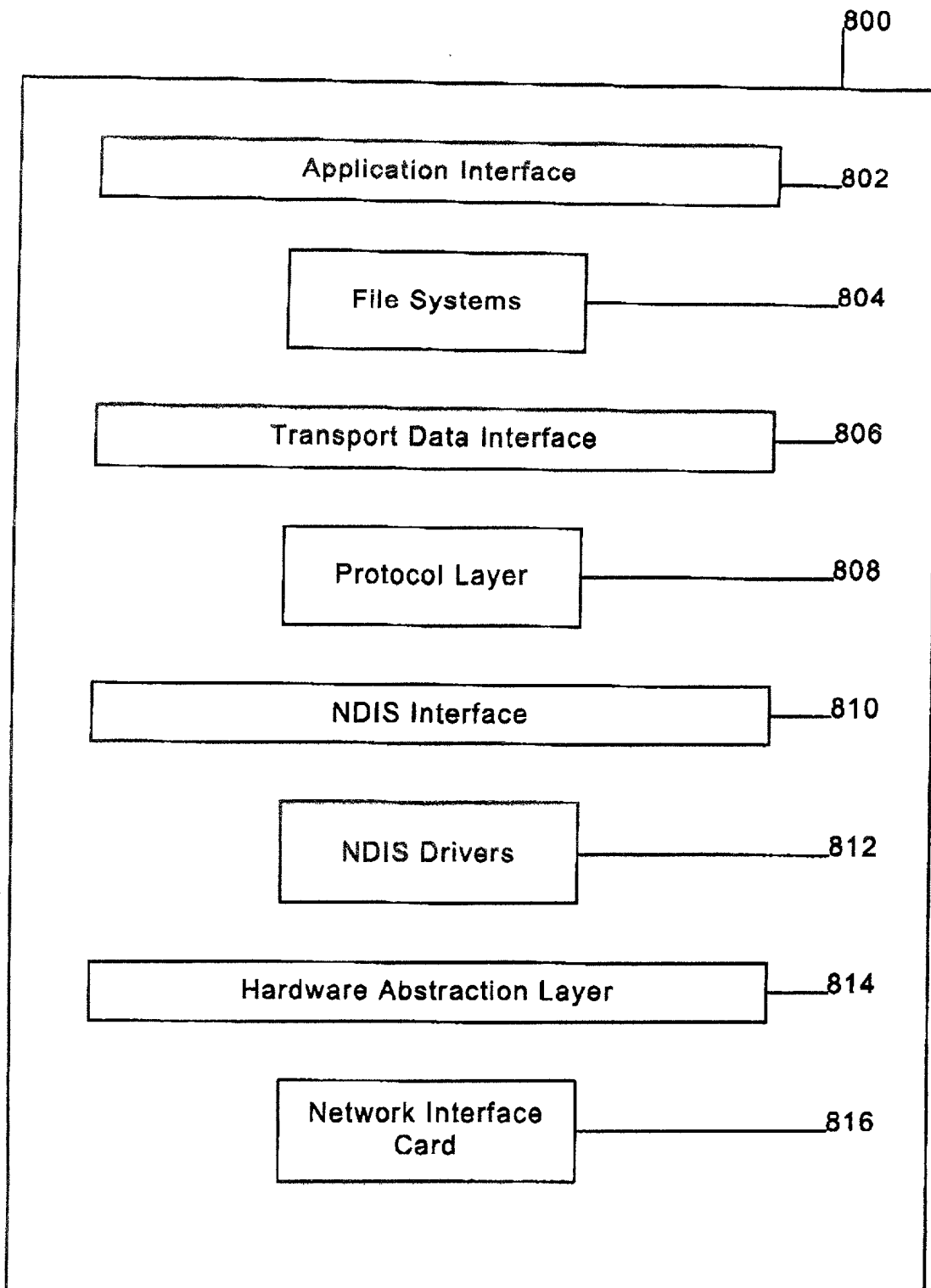


FIG. 8 (PRIOR ART)